



A. CLASSIFICATION OF SUBJECT MATTER		INTERNATIONAL SEARCH REPORT	
IPC6: A61L 2/06, A23K 1/00		Minimum documentation searched (classification system followed by classification symbols)	
B. FIELDS SEARCHED		According to International Patent Classification (IPC) or to both national classification and IPC	
IPC6: A61L, A23K		Documental search other than minimum documentation to the extent that such documents are included in the fields searched	
WP1, USPATFULL		Electromic data base consulted during the international search (name of data base and, where practicable, search terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT		Category of document, with indication, where appropriate, of the relevant passages	
X GB 1243823 A (WILHELM LODIGE ET AL), 25 August 1971 (25.08.71), page 1, line 90 - page 2, line 25, claims 1-3		Citation of document, with indication, where appropriate, of the relevant passages	
X US 4059919 A (JOSEPH GREEN), 29 November 1977 (29.11.77), claims 1-3		Citation of document, with indication, where appropriate, of the relevant passages	
A US 4161139 A (FRANCISCUS VAN DEREN), 17 July 1979 (17.07.79)		Citation of document, with indication, where appropriate, of the relevant passages	
A EP 0622085 A1 (DAISEY KIKAI CO., LTD.), 2 November 1994 (02.11.94), claims 1-7		Citation of document, with indication, where appropriate, of the relevant passages	
A Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See parent family annex.		* Special categories of cited documents	
A "A" document defining the general state of the art which is not considered to be of particular relevance		A "A" document published on or after the international filing date of priority date of publication of a prior art document which is cited to establish the publication date of another claim(s) or which is considered novel or inventive step when the document is taken alone	
A "B" document defining the general state of the art which is not considered to be of particular relevance		B "B" document published on or after the international filing date of priority date of publication of a prior art document which is cited to establish the publication date of another claim(s) or which is considered novel or inventive step when the document is taken alone	
A "C" document defining the general state of the art which is not considered to be of particular relevance		C "C" document defining the general state of the art which is not considered to be of particular relevance	
A "D" document published after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		D "D" document published prior to the international filing date but later than the priority date claimed	
A "E" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		E "E" document published prior to the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "F" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		F "F" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "G" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		G "G" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "H" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		H "H" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "I" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		I "I" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "J" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		J "J" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "K" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		K "K" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "L" document which may throw doubt on priority claim(s) or which is considered inventive step when the document is taken alone		L "L" document which may throw doubt on priority claim(s) or which is considered inventive step when the document is taken alone	
A "M" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		M "M" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
A "N" document which is not relevant to the invention		N "N" document which is not relevant to the invention	
A "O" document referred to in oral disclosure, use, exhibition or other special reason (as specified)		O "O" document referred to in oral disclosure, use, exhibition or other special reason (as specified)	
A "P" document published prior to the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		P "P" document published prior to the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "Q" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		Q "Q" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "R" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		R "R" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "S" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		S "S" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "T" later document published after the application but cited to understand the principle or theory underlying the invention		T "T" later document published after the application but cited to understand the principle or theory underlying the invention	
A "U" document defining the general state of the art which is not considered to be of particular relevance		U "U" document defining the general state of the art which is not considered to be of particular relevance	
A "V" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is taken alone		V "V" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is taken alone	
A "W" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		W "W" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "X" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		X "X" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
A "Y" document referred to in oral disclosure, use, exhibition or other special reason (as specified)		Y "Y" document referred to in oral disclosure, use, exhibition or other special reason (as specified)	
A "Z" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance		Z "Z" document published on or after the international filing date of priority date of publication of a prior art document which is not considered to be of particular relevance	
* Special categories of cited documents		Date of mailing addressee of the ISA/	
* Annex I Joansson		Name and mailing address of the ISA/	
Box 5055, S-102 42 STOCKHOLM		Swedish Patent Office	
Telephone No. + 46 8 666 02 86		Facsimile No. + 46 8 782 25 00	
9 July 1998		15-07-1998	
Date of mailing completion of the international search report		Date of mailing completion of the international search	

C (continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Classification of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3548737 A (MONROE E. EVANS), 22 December 1970 ----- -----	1-7 US 3574632 A (G.T. LANZ), 13 April 1971 (13.04.71) ----- -----
PCT/NO 98/00083 International application No. 2		

INTERNATIONAL SEARCH REPORT								
Information on patent family members			Informational application No.					
30/06/98	PCT/NO 98/00083							
Patent document cited in search report	Publication date	Patent family member(s)	Publication date	Patent document cited in search report	Publication date			
GB 1243823 A 25/08/71	FR 1600886 A	3721527 A	03/08/70	GB 1243823 A 25/08/71	FR 1600886 A	3721527 A	03/08/70	
US 4059919 A 29/11/77	CA 1049834 A	06/03/79	CH 604565 A	15/09/78	CS 196307 B	31/03/80	DE 2618182 A	04/11/76
US 4161139 A 17/07/78	DE 2819491 A	16/11/78	DK 205078 A	12/11/78	FR 2337582 A	05/08/77	GB 1507682 A	19/04/78
US 4161139 A 17/07/78	DE 2819491 A	16/11/78	DK 205078 A	12/11/78	FR 2390112 A	08/12/78	GB 1567141 A	14/05/80
EP 0622085 A1 02/11/94	JP 6261634 A	20/09/94	US 5615518 A	01/04/97	NL 7705234 A	14/11/78	NL 7705234 A	14/11/78
US 3548737 A 22/12/70	US 5615518 A	01/04/97	US 3574632 A 13/04/71	None	US 3574632 A 13/04/71	None	US 3574632 A 13/04/71	None